

MARKED-UP REVISIONS

IN THE CLAIMS:

3. (Amended) Implant according to Patent Claim 1 [or 2], characterized in that pores with different pore characteristics, for example open or more or less closed pores, pore depth, pore density, pore volume, etc., are arranged within one or more areas.

4. (Amended) Implant according to Patent [Claim 1, 2 or 3] Claim 1, characterized in that the release function(s) operate(s) with combinations of larger and smaller pores arranged to effect a desired release sequence over time.

6. (Amended) Implant according to [any of the preceding claims] Claim 1, characterized in that different areas are provided with different pore characteristics.

7. (Amended) Implant according to [any of the preceding patent claims] Claim 1, characterized in that the surface of the oxide layer comprises about 20% titanium, about 55% oxygen and about 20% carbon, and the layer otherwise consists of titanium dioxide.

8. (Amended) Implant according to [any of the preceding patent claims] Claim 1, characterized in that the oxide layer has a surface roughness of about 1 - 5 μm or less.

9. (Amended) Implant according to [any of the preceding patent claims] Claim 1, characterized in that the oxide layer has a thickness in the range of 1 - 20 μm , preferably 2 - 20 μm .

10. (Amended) Implant according to [any of the preceding patent claims] Claim 1, characterized in that the oxide layer is highly porous, with pore diameters in the range of 0.01-10 μm .

14. (Amended) Implant according to [any of Patent Claims 9 to 13] Claim 11, characterized in that the oxide layer is highly porous.

15. (Amended) Implant according to [any of Patent Claims 9 to 14] Claim 11, characterized in that it is a screw implant which bears the said oxide layers and surfaces on its threads.

18. (Amended) Method according to Patent Claim 16 [or 17], characterized in that the oxide layer is immersed in a container holding the substance.

21. (Amended) Use according to Patent Claim 19 [or 20], characterized in that it is used in holes involving soft and/or reduced bone.

24. (Amended) Implant according to Patent Claim 22 [or 23], characterized in that the oxide layer is highly porous, with 1×10^7 - 1×10^{10} pores/cm².

25. (Amended) Implant according to Patent Claim 22[, 23 or 24], characterized in that each surface essentially has pores with diameter sizes in the range of 0.1 - 10 μm , and/or in that the total pore volume is within a range of 5×10^{-2} and 10^{-5} cm³.

28. (Amended) Method according to Patent Claim 26 [or 27], characterized in that the position of the implant in the electrolyte is changed, together with the composition of the electrolyte and/or the voltage, in order to create different oxide thicknesses and/or areas with different porosity or pore characteristics.